



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

**Subject: Analytical Testing Results - Project R08S30
SDG: 08052A**

**From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2**

**To: Chris Lichens
Site Cleanup Section 4
SFD-7-4**

Attached are the results from the analysis of samples from the **Omega Chemical OU1 February 2008 Split Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Electronic CC: Tom Perina, CH2M-Hill
Dan Jablonski, CH2M-Hill
Vikki Taylor, CH2M-Hill**

Analyses included in this report:

1,4-Dioxane

1,4-Dioxane



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R08S30

Project: Omega Chemical OU1 February 2008 Split
Sampling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 08052A

Reported: 03/06/08 11:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC1-OW1B-W-5-86	0802048-01	Water	02/20/08 08:40	02/21/08 09:40
OC1-OW1A-W-0-87	0802048-02	Water	02/20/08 09:10	02/21/08 09:40
OC1-OW4B-W-0-88	0802048-03	Water	02/20/08 10:55	02/21/08 09:40



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens Project Number: R08S30 Project: Omega Chemical OU1 February 2008 Split Sampling	Site Cleanup Section 4 75 Hawthorne Street San Francisco CA, 94105	SDG: 08052A Reported: 03/06/08 11:16
---	---	---

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0802048-01						Water - Sampled: 02/20/08 08:40		
Sample ID: OC1-OW1B-W-5-86						Semivolatile Organic Compounds by EPA Method 8270D		
1,4-Dioxane	20	J, Q2, Q4	0.9	ug/L	B8B0120	02/21/08	02/27/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	1.76		35 %	10-129%	"	"	"	
Lab ID: 0802048-02						Water - Sampled: 02/20/08 09:10		
Sample ID: OC1-OW1A-W-0-87						Semivolatile Organic Compounds by EPA Method 8270D		
1,4-Dioxane	RE1 560	J, Q2	24	ug/L	B8B0120	02/21/08	02/28/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	RE1 3.68		74 %	10-129%	"	"	"	
Lab ID: 0802048-03						Water - Sampled: 02/20/08 10:55		
Sample ID: OC1-OW4B-W-0-88						Semivolatile Organic Compounds by EPA Method 8270D		
1,4-Dioxane	ND	J, U	1.0	ug/L	B8B0120	02/21/08	02/27/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	2.38		48 %	10-129%	"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B8B0120 - 3520B CLLE - 1,4-Dioxane						Prepared: 02/21/08 Analyzed: 02/27/08				
Blank (B8B0120-BLK1)						Semivolatile Organic Compounds by EPA Method 8270D - Quality Control				
1,4-Dioxane	ND	J, U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	2.23			"	5.00		45	10-129		
LCS (B8B0120-BS1)										
1,4-Dioxane	15.2		1.0	ug/L	10.0		152	74-126		
Surrogate: 1,4-Dioxane-d8	2.27			"	5.00		45	10-129		
Matrix Spike (B8B0120-MS1)						Source: 0802048-01				
1,4-Dioxane	37.6	Q4	0.9	ug/L	9.48	20.4	181	54-141		
Surrogate: 1,4-Dioxane-d8	1.78			"	5.00		36	10-129		
Matrix Spike Dup (B8B0120-MSD1)						Source: 0802048-01				
1,4-Dioxane	38.4	Q4	1.0	ug/L	9.51	20.4	189	54-141	2	20
Surrogate: 1,4-Dioxane-d8	1.98			"	5.00		40	10-129		



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R08S30

Project: Omega Chemical OU1 February 2008 Split
Sampling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 08052A

Reported: 03/06/08 11:16

Qualifiers and Comments

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

Q2 The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.